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NATIONAL MICROBIOLOGICAL INSTITUTE
NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND BLINDNESS
THE CLINICAL CENTER
DIVISION OF RESEARCH GRANTS

January 30, 1956

Dr. Joshua Lederberg
Department of Genetics
College of Agriculture
The University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg:

Reprints for the paper you recently requested have not come in yet, but as soon as they do I shall send one along.

In regard to the enzyme system possibly involved, we have made some preliminary determinations but nothing definite can be said so far. It looks, however, like there may be no differences in enzyme activity levels between the long-sleeping and short-sleeping strains. If this is the case, the basis for this difference may be tied up in some way with differences in sensitivity due to the theoretical receptor centers. This has some interesting implications, and this mouse material may prove to be suited for experimentation on this theoretical mechanism.

As to the atropine esterase system in rabbits, I know of no other work than that of Glick and associates and Bernheim and Bernheim. However, Dr. Sawin may know, and an inquiry to him might be worthwhile.

Thanking you for your interest, I remain

Sincerely yours,

G. E. Jay, Jr.
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